

1152 2858

PTO/SB/21 (09-04)  
Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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|   |                        |                  |
|---|------------------------|------------------|
| <b>TRANSMITTAL FORM</b><br><br>(to be used for all correspondence after initial filing) | Application Number     | 09/803,613       |
|   | Filing Date            | March 5, 2001    |
|   | First Named Inventor   | G. Dicket Arndt  |
|   | Art Unit               | 2858             |
|   | Examiner Name          | John Terensinski |
| Total Number of Pages in This Submission  | Attorney Docket Number | MSC-23153-1      |

| ENCLOSURES (Check all that apply)  |   |   |
|--|---|---|
| <input checked="" type="checkbox"/> Fee Transmittal Form<br><input type="checkbox"/> Fee Attached  | <input type="checkbox"/> Drawing(s)<br><input type="checkbox"/> Licensing-related Papers  | <input type="checkbox"/> After Allowance Communication to TC  |
| <input checked="" type="checkbox"/> Amendment/Reply<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)  | <input type="checkbox"/> Petition<br><input type="checkbox"/> Petition to Convert to a Provisional Application<br><input type="checkbox"/> Power of Attorney, Revocation<br><input type="checkbox"/> Change of Correspondence Address | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences   |
| <input type="checkbox"/> Extension of Time Request<br><input type="checkbox"/> Express Abandonment Request<br><input type="checkbox"/> Information Disclosure Statement  | <input type="checkbox"/> Terminal Disclaimer<br><input type="checkbox"/> Request for Refund<br><input type="checkbox"/> CD, Number of CD(s) _____<br><input type="checkbox"/> Landscape Table on CD                                   | <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)<br><input type="checkbox"/> Proprietary Information<br><input type="checkbox"/> Status Letter<br><input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):<br>Return postcard receipt |
| <input type="checkbox"/> Certified Copy of Priority Document(s)<br><input type="checkbox"/> Reply to Missing Parts/Incomplete Application<br><input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53 | <b>Remarks</b><br>Amendment in response to OA mailed 1/4/05   |   |

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| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT |                           |          |        |
|--|---------------------------|----------|--------|
| Firm Name                                  | NASA Johnson Space Center |          |        |
| Signature                                  |                           |          |        |
| Printed name                               | Theodore U. Ro            |          |        |
| Date                                       | 3/31/05                   | Reg. No. | 52,168 |

| CERTIFICATE OF TRANSMISSION/MAILING   |                    |      |        |
|---|--------------------|------|--------|
| I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below: |                    |      |        |
| Signature   |                    |      |        |
| Typed or printed name   | Tanya B. Jefferson | Date | 4/1/05 |

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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4/1/05  
Tanya B. Jefferson

Patent Application

MSC-23153-1

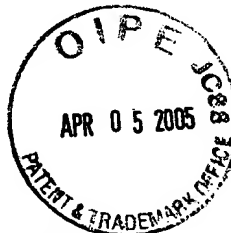
(NASA Case No.)

## Letter Transmitting Patent Amendment

THE COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, DC 20231

Sir:

Transmitted herewith is an amendment as identified below:



Serial No.: 09/803,613 Confirmation No.: 8763 Filed: March 5, 2001

Examiner: John Teresinski Group Art Unit: 2858

Entitled: Sensor and MEthod for Detecting a Superstrate

The fee has been calculated as shown below:

| CLAIMS AS AMENDED                       |  |  |                         |              |                          |
|---|--|--|-------------------------|--------------|--------------------------|
| FOR<br>(1)                              | CLAIMS<br>REMAINING<br>AFTER<br>AMENDMENT<br>(2) | HIGHEST<br>NUMBER<br>PREVIOUSLY<br>PAID FOR<br>(3) | PRESENT<br>EXTRA<br>(4) | RATE<br>(5)  | ADDITIONAL<br>FEE<br>(6) |
| TOTAL CLAIMS -----                      | 80   | 81   | 0                       | x \$50.00 =  | \$0.00                   |
| INDEPENDENT CLAIMS -----                | 7  | 7  | 0                       | x \$200.00 = | \$0.00                   |
| TOTAL ADDITIONAL FEE FOR THIS AMENDMENT |  |  |                         |              | \$0.00                   |

\*If the entry in column (2) is less than the entry in column (3), enter "0" in column (4).

\*\*If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter 20 in this space.

\*\*\*Minimum number here is 3, even though a lesser number appeared in the application as filed.

☒ No additional fee is required.

☐ Please charge our Deposit Account No. 14-0116 shown as "TOTAL ADDITIONAL FEE," above. The Commissioner is hereby authorized to charge an additional fee which may be required to effect the filing of this application under 37 CFR 1.16, or credit any overpayment to Deposit Account No. 14-0116.

3/31/05

(Date)

Thornton A. K. 52,168

(Attorney of Record) (Reg. No.)

NOTE: This form is to be used when filing an amendment to a patent application.



Attorney Docket No. MSC-23153-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named

Applicant: G. Dickey Arndt

Group Art Unit: 2858

Serial No.: 09/803,613

Confirmation#: 8763

Filed: March 5, 2001

Examiner: John Teresinski

FOR: SENSOR AND METHOD FOR  
DETECTING A SUPERSTATE

I hereby certify under 37 CFR 1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated above and is addressed to the Mail Stop Non-Fee Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on 4/1/05.

Tanya B. Jefferson

**AMENDMENT**

Sir:

In response to the Office Action of January 4, 2005, please amend the above-identified application as follows:

**Amendments to the Claims** are reflected in the listing of claims, which begins on page 2 of this paper.

**Remarks/Arguments** begin on page 20 of this paper.